

Pacific Air Forces

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PACAF/A4

Corrosion Control Program

World Class, Synergized Corrosion Control Program



MSgt Holsinger
PACAF/A4MYE

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Overview

- **Aircraft Wash Intervals**
- **PACAF/A4 and Deloitte Business Case Analysis (BCA)**
- **2010 PACAF Corrosion Survey**
- **PACAF LCAP Logistics Interest Item (LII)**
- **Corrosion Control Work Group (CCWG)**
- **Controlled Humidity Protection (CHP)**
- **Questions**



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PACAF Climate

■ T.O. 1-1-691, Section III

Air Base Name and Location	Wash Interval By Severity		
	Severe (30 days)	Moderate (90 days)	Mild (120 days)
Anderson AFB, GU	X		
Eielson AFB, AK			X
Elmendorf AFB, AK			X
Hickam AFB, HI	X		
Kadena AB, JA	X		
Kunsan AB, JA	X		
Misawa AB, JA		X	
Osan AB, JA		X	
Yokota AB, JA			X

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Business Case Analysis (BCA)

PACAF/A4 and Deloitte Business Case Analysis (BCA)

- Equipment database
- Business Optimization Tool
 - Discovered lack of needed data
 - A4MYE developed command corrosion data-tracking tool
- Possible Centralized Repair Facilities (CRF) options

The screenshot shows a web-based form titled "PACAF Corrosion Corrosion Control Assets". It contains fields for Organization (Hickam, 15th AMS), Location (Bldg 2130), Workstation Name (C-17 Paint Booth/Wash Bay/Maintenance Hangar), Purpose (Wash, Paint, Maintenance), Equipment (Hangar), Manufacturer (URS), Model (JUN), Serial Number (N/A), Size (6' X 9' X 16'), Condition (New), Date Manufactured (Jun-2009), Date Installed, Purchase Price (\$40,000.00), Replacement Cost (\$40,000.00), Current Repair Cost, Maintenance Days per Quarter, and a Notes field (Brand new facility). There is also a small image of the facility.

The screenshot shows a software interface for the Business Optimization Tool. It features a toolbar with buttons for "Go To Instruction Guide Tab" and "Go To Input Variables Tab". Below the toolbar, there is a grid of eight buttons labeled "Option 0" through "Option 8", each with a description of the option. The interface also includes a text area with instructions on how to access details for each option.



AFCPCO 2010 Corrosion Survey

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PACAF 2010 Corrosion Survey

■ IAW AFI 21-105 required every 5 years

■ Areas covered

Paint Facilities/Corrosion	Structural Maintenance	Wash Rack	Training
Wheel & Tire	Quality Assurance	AGE Facilities	Avionics
Flight Line Sampling	Support Sections	Hydraulics	Haz-Mart
Plans & Scheduling	Ammunition		

■ Action Items

■ Overall command view



Logistics Interest Item (LII)

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PACAF LCAP Logistics Interest Item (LII)

- Focus areas
- Implementation
- Current status/results

(LCAP) LII ____, CORROSION CONTROL PROGRAM INSPECTION GUIDE				
ITEM #	ITEM	REFERENCE(S)	COMMENTS	YES/NO
1.	HAVE PROCEDURES BEEN ESTABLISHED THAT ENSURE SECTIONS (AND ELEMENTS) MAINTAIN A RECORD OF INSPECTION, LUBRICATION AND MAINTENANCE OF INDUSTRIAL EQUIPMENT IAW APPROPRIATE GENERAL MAINTENANCE MANUALS AND TO'S?	AFI 21-101 PARA 3.9.13		
2.	DOES OR CAN ACCOMPLISH FREQUENT SPOT-CHECKS OF COMPLETED WASHES AND ADEQUATELY EVALUATE AT LEAST 10% OF WASH RACK OPERATIONS THROUGH OVER THE SHOULDER INSPECTION AND MAINTENANCE FOLLOW-UPS?	PACAFI 21-105, PARA 3.12.1 PARA 3.12.3		
3.	ARE WASH AND CORROSION WASH AND INSPECTION SCHEDULES BEING MONITORED IN WEEKLY AND MONTHLY MAINTENANCE PLANS AND ALL OVER-DUE WASHES PROPERLY ROUTED AND MAINTAINED?	PACAFI 21-105 PARA 3.7.1 PARA 3.7.5 TO 1-1-691 PARA 3.2.2.1 NOTE		
4.	ARE PROTECTIVE COATINGS APPLIED TO AIRCRAFT, AGE AND COMPONENTS IAW: -- APPLICABLE TO'S? -- AIRCRAFT SPECIFIC -- SUPPORT EQUIPMENT -- GENERAL COATINGS	-23 SERIES TO 33-1-3 TO 1-1-8		

(LCAP) LII ____, CORROSION CONTROL PROGRAM INSPECTION GUIDE				
ITEM #	ITEM	REFERENCE(S)	COMMENTS	YES/NO
5.	ARE CLEAN WATER WASH REQUIREMENTS BEING PROPERLY DOCUMENTED AND COMPLETED?	TO 1-1-691 PARA 3.2.3 PARA 3.5.3		
6.	ARE TEMPORARY PAINT REPAIRS COMPLETED ON AIRCRAFT SUPPORT EQUIPMENT?	TO 33-1-3 PARA 3.5.3 TO 1-1-691 PARA 3.7		
7.	IS THERE A SCORING SYSTEM IN-PLACE AND PROPERLY UTILIZED TO DETERMINE PRIORITIZATION FOR REPAINT OF AIRCRAFT AND SUPPORT EQUIPMENT?	PACAFI 21-105 PARA 3.16.2		



Corrosion Control Work Group (CCWG)

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CCWG Membership

- **Chairperson: Deputy Chief, Maintenance Division**
- **Working Group Leader: Fabrications FAM**
- **Members**
 - **Wing Corrosion Managers**
 - **Mission Support Group (MSG) and other base agencies as needed**
 - **HQ PACAF/A7/SG/SE/CCO will act as advisors and attend as needed**
 - **Government Contractors & Individual Users as needed**
 - **The Air Force Corrosion Prevention and Control Office (AFCPCO) in an advisory capacity**



Corrosion Control Work Group (CCWG)

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CCWG Schedule/Objectives

■ Schedule

- Convene quarterly**
- Annually in conjunction with AF corrosion conference**

■ Objectives

- Discuss current LIMFACs and way-forward**
- Make recommendations to appropriate agencies**
- Discuss new technologies**
- Advocate for support and funding of corrosion prevention and control initiatives**



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Controlled Humidity Protection (CHP)

CHP

- **Methods**
- **Current use**
- **PACAF status**





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Questions?



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